

Index of Authors

VOLUME 87 (1993)

(Authors from abstracts from Society Proceedings are not included)

- Allen, P.J., Smith, S.J.M., Harkness, W.F.J. and Fish, D.R.
A specialised computer-based monitoring system for intraoperative electrocorticography (87) 340
- Alonso, M., see Harmony, T. (87) 196
- Arroyo, S., Lesser, R.P., Gillinov, A.M., Redmond, M., Zehr, K.J., Troncoso, J.C., Jackson, D., Baumgartner, W.A. and Cameron, D.E.
EEG and prognosis of neurologic recovery of dogs under profound hypothermic circulatory arrest (87) 242
- Arroyo, S., Lesser, R.P., Gordon, B., Uematsu, S., Jackson, D. and Webber, R.
Functional significance of the mu rhythm of human cortex: an electrophysiologic study with subdural electrodes (87) 76
- Babb, T.L., see Mathern, G.W. (87) 326
- Balish, M., see Roth, B.J. (87) 175
- Bankman, I., see Webber, W.R.S. (87) 364
- Baumgartner, W.A., see Arroyo, S. (87) 242
- Begleiter, H., Porjesz, B. and Wang, W.
A neurophysiologic correlate of visual short-term memory in humans (87) 46
- Bernal, J., see Harmony, T. (87) 196
- Biggins, C.A. and Fein, G.
Spline computation of scalp current density and coherence: a reply to Pascual-Marqui (87) 65
- Bodis-Wollner, I., see Celesia, G.G. (87) 421
- Bolcioni, G., see Celesia, G.G. (87) 97
- Brigell, M., Rubboli, G. and Celesia, G.G.
Identification of the hemisphere activated by hemifield visual stimulation using a single equivalent dipole model (87) 291
- Brigell, M., see Celesia, G.G. (87) 97
- Burchfiel, J., see Engel, Jr., J. (87) 437
- Burgess, A. and Gruzelier, J.
Localisation of cerebral function using topographical mapping of EEG: a preliminary validation study (87) 254
- Burk, P., see Rector, D. (87) 380
- Cameron, D.E., see Arroyo, S. (87) 242
- Casian, G., see Harmony, T. (87) 196
- Celesia, G.G., Bodis-Wollner, I., Chatrian, G.E., Harding, G.F.A., Sokol, S. and Spekreijse, H.
Recommended standards for electroretinograms and visual evoked potentials. Report of an IFCN Committee (87) 421
- Celesia, G.G., Villa, A.E.P., Brigell, M., Rubboli, G., Bolcioni, G. and Fiori, M.G.
An electrophysiological study of visual processing in Alzheimer's disease (87) 97
- Celesia, G.G., see Brigell, M. (87) 291
- Chatrian, G.-E., see Tsai, M.-L. (87) 10
- Chatrian, G.-E., see Tsai, M.-L. (87) 25
- Chatrian, G.E., see Celesia, G.G. (87) 421
- Cifuentes, F., see Mathern, G.W. (87) 326
- Cohen, R., see Rockstroh, B. (87) 235
- Cohen, R.A., see O'Donnell, B.F. (87) 394
- Cook, I.A., see Leuchter, A.F. (87) 385
- Corning, W.C., see Velikonja, D. (87) 38
- Cracco, R.Q., see Rudell, A.P. (87) 221
- Cuffin, B.N., see O'Donnell, B.F. (87) 394
- Cutillo, B., see Gevins, A. (87) 128
- Daras, M., see Harden, C.L. (87) 54
- Daube, J., see Nuwer, M.R. (87) 263
- Doricchi, F., Guariglia, C., Paolucci, S. and Pizzamiglio, L.
Disturbances of the rapid eye movements (REMs) of REM sleep in patients with unilateral attentional neglect: clue for the understanding of the functional meaning of REMs (87) 105
- Drachman, D.A., see O'Donnell, B.F. (87) 394
- Dunkin, J., see Leuchter, A.F. (87) 385
- Eberle, L.P., see Rudell, A.P. (87) 221
- Ebersole, J., see Engel, Jr., J. (87) 437
- Edelman, R.R., see Ives, J.R. (87) 417
- Edmonds, Jr., H.L., see Rodriguez, R.A. (87) 250
- Elbert, T., see Rockstroh, B. (87) 235
- Engel, Jr., J., Burchfiel, J., Ebersole, J., Gates, J., Gotman, J., Homan, R., Ives, J., King, D., Lieb, J., Sato, S. and Wilkus, R.
Long-term monitoring for epilepsy. Report of an IFCN committee (87) 437
- Farine, B., see Gotman, J. (87) 206
- Fein, G., see Biggins, C.A. (87) 65
- Feinsod, M., see Soustiel, J.F. (87) 277
- Fernández-Bouzas, A., see Harmony, T. (87) 196
- Fernández, T., see Harmony, T. (87) 196
- Fiori, M.G., see Celesia, G.G. (87) 97
- Fischer, C., see Nuwer, M.R. (87) 263
- Fish, D.R., see Allen, P.J. (87) 340
- Fisher, R.S., see Webber, W.R.S. (87) 364
- Ford, J.M., see Woodward, S.H. (87) 306
- Fukushima, Y., see Yabe, H. (87) 403
- Gates, J., see Engel, Jr., J. (87) 437
- Gevins, A. and Cutillo, B.
Spatiotemporal dynamics of component processes in human working memory (87) 128
- Gevins, A., see Wikswo, Jr., J.P. (87) 1
- Gillinov, A.M., see Arroyo, S. (87) 242
- Gorbach, A., see Roth, B.J. (87) 175
- Gordon, B., see Arroyo, S. (87) 76
- Gotman, J., Levitova, V. and Farine, B.
Graphic representation of the EEG during epileptic seizures (87) 206
- Gotman, J., see Engel, Jr., J. (87) 437
- Gruzelier, J., see Burgess, A. (87) 254
- Guariglia, C., see Doricchi, F. (87) 105
- Guilburd, J.N., see Soustiel, J.F. (87) 277

- Hafner, H., see Soustiel, J.F. (87) 277
- Häkkinen, V., see Hasan, J. (87) 117
- Hammett, S.C., see Woodward, S.H. (87) 306
- Harden, C.L., Daras, M., Tuchman, A.J. and Koppel, B.S.
Low amplitude EEGs in demented AIDS patients (87) 54
- Harding, G.F.A., see Celesia, G.G. (87) 421
- Hari, R., see Imada, T. (87) 144
- Harkness, W.F.J., see Allen, P.J. (87) 340
- Harmony, T., Fernández-Bouzas, A., Marosi, E., Fernández, T., Bernal, J., Rodríguez, M., Reyes, A., Silva, J., Alonso, M. and Casian, G.
Correlation between computed tomography and voltage and current source density spectral EEG parameters in patients with brain lesions (87) 196
- Harper, R.M., see Rector, D. (87) 380
- Hartl, I., see Hauser, E. (87) 284
- Hasan, J., Hirvonen, K., Värri, A., Häkkinen, V. and Loula, P.
Validation of computer analysed polygraphic patterns during drowsiness and sleep onset (87) 117
- Hassan, N.F., see Rudell, A.P. (87) 221
- Hauser, E., Seidl, R., Rohrbach, D., Hartl, I., Marx, M. and Wimmer, M.
Quantitative EEG before and after open heart surgery in children. A significant decrease in the beta and α_2 bands postoperatively (87) 284
- Hirvonen, K., see Hasan, J. (87) 117
- Hokama, H., see O'Donnell, B.F. (87) 394
- Holubkov, A.L., see Tsai, M.-L. (87) 10
- Holubkov, A.L., see Tsai, M.-L. (87) 25
- Homan, R., see Engel, Jr., J. (87) 437
- Husain, M.V., see Kears, Jr., L.A. (87) 374
- Imada, T., Hari, R., Loveless, N., McEvoy, L. and Sams, M.
Determinants of the auditory mismatch response (87) 144
- Ives, J., see Engel, Jr., J. (87) 437
- Ives, J.R., Warach, S., Schmitt, F., Edelman, R.R. and Schomer, D.L.
Monitoring the patient's EEG during echo planar MRI (87) 417
- Jackson, D., see Arroyo, S. (87) 242
- Jackson, D., see Arroyo, S. (87) 76
- Jäntti, V., see Yli-Hankala, A. (87) 215
- Jijiwa, H., see Kawaguchi, T. (87) 88
- Jousmäki, V., see Pekkonen, E. (87) 321
- Kajola, M., see Tesche, C. (87) 408
- Kaler, S.G., see White, S.R. (87) 57
- Kanazawa, I., see Uesaka, Y. (87) 300
- Karhu, J., see Pekkonen, E. (87) 321
- Kawaguchi, T., Jijiwa, H. and Watanabe, S.
The dynamics of phase relationships of alpha waves during photic driving (87) 88
- Kears, Jr., L.A., Koski, G., Husain, M.V., Philbin, D.M. and McPeck, K.
Epileptiform activity during opioid anesthesia (87) 374
- King, D., see Engel, Jr., J. (87) 437
- Koles, Z.J., see Soong, A.C.K. (87) 185
- Könönen, M. and Partanen, J.V.
Blocking of EEG alpha activity during visual performance in healthy adults. A quantitative study (87) 164
- Koppel, B.S., see Harden, C.L. (87) 54
- Koski, G., see Kears, Jr., L.A. (87) 374
- Lachenbruch, P.A., see Leuchter, A.F. (87) 385
- Lehmann, D., see Strik, W.K. (87) 169
- Leite, J.P., see Mathern, G.W. (87) 326
- Lesser, R.P., see Arroyo, S. (87) 242
- Lesser, R.P., see Webber, W.R.S. (87) 364
- Leuchter, A.F., Cook, I.A., Newton, T.F., Dunkin, J., Walter, D.O., Rosenberg-Thompson, S., Lachenbruch, P.A. and Weiner, H.
Regional differences in brain electrical activity in dementia: use of spectral power and spectral ratio measures (87) 385
- Levi, L., see Soustiel, J.F. (87) 277
- Levtova, V., see Gotman, J. (87) 206
- Lieb, J., see Engel, Jr., J. (87) 437
- Lind, J.C., see Soong, A.C.K. (87) 185
- Lindgren, L., see Yli-Hankala, A. (87) 215
- Lippa, C., see O'Donnell, B.F. (87) 394
- Litt, B., see Webber, W.R.S. (87) 364
- Loula, P., see Hasan, J. (87) 117
- Loveless, N., see Imada, T. (87) 144
- Marosi, E., see Harmony, T. (87) 196
- Marx, M., see Hauser, E. (87) 284
- Mathern, G.W., Cifuentes, F., Leite, J.P., Pretorius, J.K. and Babb, T.L.
Hippocampal EEG excitability and chronic spontaneous seizures are associated with aberrant synaptic reorganization in the rat intrahippocampal kainate model (87) 326
- McEvoy, L., see Imada, T. (87) 144
- McPeck, K., see Kears, Jr., L.A. (87) 374
- Müller, M., see Rockstroh, B. (87) 235
- Newton, T.F., see Leuchter, A.F. (87) 385
- Nuwer, M.R., Daube, J., Fischer, C., Schramm, J. and Yingling, C.D.
Neuromonitoring during surgery. Report of an IFCN committee (87) 263
- O'Donnell, B.F., Cohen, R.A., Hokama, H., Cuffin, B.N., Lippa, C., Shenton, M.E. and Drachman, D.A.
Electrical source analysis of auditory ERPs in medial temporal lobe amnesic syndrome (87) 394
- Ojemann, G.A., see Tsai, M.-L. (87) 10
- Ojemann, G.A., see Tsai, M.-L. (87) 25
- Paolucci, S., see Doricchi, F. (87) 105
- Partanen, J., see Pekkonen, E. (87) 321
- Partanen, J.V., see Könönen, M. (87) 164
- Pascual-Marqui, R.
The spherical spline Laplacian does not produce artifactually high coherences: comments on two articles by Biggins et al. (87) 62
- Pauri, F., see Tsai, M.-L. (87) 10
- Pekkonen, E., Jousmäki, V., Partanen, J. and Karhu, J.
Mismatch negativity area and age-related auditory memory (87) 321
- Philbin, D.M., see Kears, Jr., L.A. (87) 374
- Pizzamiglio, L., see Doricchi, F. (87) 105
- Porjesz, B., see Begleiter, H. (87) 46
- Pretorius, J.K., see Mathern, G.W. (87) 326
- Pyykkö, I., see Yli-Hankala, A. (87) 215
- Rector, D., Burk, P. and Harper, R.M.
A data acquisition system for long-term monitoring of physiological and video signals (87) 380
- Redmond, M., see Arroyo, S. (87) 242
- Reese, K., see White, S.R. (87) 57
- Reyes, A., see Harmony, T. (87) 196
- Risk, W.S.
Viewing speed and frequency resolution in digital EEG (87) 347
- Rockstroh, B., Müller, M., Wagner, M., Cohen, R. and Elbert, T.
"Probing" the nature of the CNV (87) 235
- Rodríguez, M., see Harmony, T. (87) 196

- Rodriguez, R.A., Edmonds, Jr., H.L. and Schroeder, J.A.
Quantitative EEG analysis during cardiac surgery in a case of spontaneous recall (87) 250
- Rohrbach, D., see Hauser, E. (87) 284
- Rosenberg-Thompson, S., see Leuchter, A.F. (87) 385
- Roth, B.J., Balish, M., Gorbach, A. and Sato, S.
How well does a three-sphere model predict positions of dipoles in a realistically shaped head? (87) 175
- Rubboli, G., see Brigell, M. (87) 291
- Rubboli, G., see Celesia, G.G. (87) 97
- Rudell, A.P., Cracco, R.Q., Hassan, N.F. and Eberle, L.P.
Recognition potential: sensitivity to visual field stimulated (87) 221
- Saito, F., see Yabe, H. (87) 403
- Sakuta, M., see Uesaka, Y. (87) 300
- Sams, M., see Imada, T. (87) 144
- Sato, S., see Engel, Jr., J. (87) 437
- Sato, S., see Roth, B.J. (87) 175
- Sato, S., see White, S.R. (87) 57
- Schmitt, F., see Ives, J.R. (87) 417
- Schomer, D.L., see Ives, J.R. (87) 417
- Schramm, J., see Nuwer, M.R. (87) 263
- Schroeder, J.A., see Rodriguez, R.A. (87) 250
- Seidl, R., see Hauser, E. (87) 284
- Shaw, C.-M., see Tsai, M.-L. (87) 10
- Shaw, C.-M., see Tsai, M.-L. (87) 25
- Shaw, G.R., see Soong, A.C.K. (87) 185
- Shenton, M.E., see O'Donnell, B.F. (87) 394
- Silva, J., see Harmony, T. (87) 196
- Smith, S.J.M., see Allen, P.J. (87) 340
- Sokol, S., see Celesia, G.G. (87) 421
- Soong, A.C.K., Lind, J.C., Shaw, G.R. and Koles, Z.J.
Systematic comparisons of interpolation techniques in topographic brain mapping (87) 185
- Soustiel, J.F., Hafner, H., Guilburd, J.N., Zaaroor, M., Levi, L. and Feinsod, M.
A physiological coma scale: grading of coma by combined use of brain-stem trigeminal and auditory evoked potentials and the Glasgow Coma Scale (87) 277
- Spekreijse, H., see Celesia, G.G. (87) 421
- Strik, W.K. and Lehmann, D.
Data-determined window size and space-oriented segmentation of spontaneous EEG map series (87) 169
- Temkin, N.R., see Tsai, M.-L. (87) 10
- Temkin, N.R., see Tsai, M.-L. (87) 25
- Tesche, C. and Kajola, M.
A comparison of the localization of spontaneous neuromagnetic activity in the frequency and time domains (87) 408
- Troncoso, J.C., see Arroyo, S. (87) 242
- Tsai, M.-L., Chatrian, G.-E., Holubkov, A.L., Temkin, N.R., Shaw, C.-M. and Ojemann, G.A.
Electrocorticography in patients with medically intractable temporal lobe seizures. II. Quantification of epileptiform discharges following successive stages of resective surgery (87) 25
- Tsai, M.-L., Chatrian, G.-E., Pauri, F., Temkin, N.R., Holubkov, A.L., Shaw, C.-M. and Ojemann, G.A.
Electrocorticography in patients with medically intractable temporal lobe seizures. I. Quantification of epileptiform discharges prior to resective surgery (87) 10
- Tuchman, A.J., see Harden, C.L. (87) 54
- Tucker, D.M.
Spatial sampling of head electrical fields: the geodesic sensor net (87) 154
- Uematsu, S., see Arroyo, S. (87) 76
- Uesaka, Y., Ugawa, Y., Yumoto, M., Sakuta, M. and Kanazawa, I.
Giant somatosensory evoked magnetic field in patients with myoclonus epilepsy (87) 300
- Ugawa, Y., see Uesaka, Y. (87) 300
- Värri, A., see Hasan, J. (87) 117
- Velikonja, D., Weiss, D.S. and Corning, W.C.
The relationship of cortical activation to alternating autonomic activity (87) 38
- Verleger, R.
Valid identification of blink artefacts: are they larger than 50 μ V in EEG records? (87) 354
- Villa, A.E.P., see Celesia, G.G. (87) 97
- Wagner, M., see Rockstroh, B. (87) 235
- Walter, D.O., see Leuchter, A.F. (87) 385
- Wang, W., see Begleiter, H. (87) 46
- Warach, S., see Ives, J.R. (87) 417
- Watanabe, S., see Kawaguchi, T. (87) 88
- Webber, R., see Arroyo, S. (87) 76
- Webber, W.R.S., Litt, B., Lesser, R.P., Fisher, R.S. and Bankman, I.
Automatic EEG spike detection: what should the computer imitate? (87) 364
- Weiner, H., see Leuchter, A.F. (87) 385
- Weiss, D.S., see Velikonja, D. (87) 38
- White, S.R., Reese, K., Sato, S. and Kaler, S.G.
Spectrum of EEG findings in Menkes disease (87) 57
- Wikswow, Jr., J.P., Gevins, A. and Williamson, S.J.
The future of the EEG and MEG (87) 1
- Wilkus, R., see Engel, Jr., J. (87) 437
- Williamson, S.J., see Wikswow, Jr., J.P. (87) 1
- Wimmer, M., see Hauser, E. (87) 284
- Woodward, S.H., Ford, J.M. and Hammett, S.C.
N4 to spoken sentences in young and older subjects (87) 306
- Yabe, H., Saito, F. and Fukushima, Y.
Median method for detecting endogenous event-related brain potentials (87) 403
- Yingling, C.D., see Nuwer, M.R. (87) 263
- Yli-Hankala, A., Jäntti, V., Pyykkö, I. and Lindgren, L.
Vibration stimulus induced EEG bursts in isoflurane anaesthesia (87) 215
- Yumoto, M., see Uesaka, Y. (87) 300
- Zaaroor, M., see Soustiel, J.F. (87) 277
- Zehr, K.J., see Arroyo, S. (87) 242

Index of Subjects

VOLUME 87 (1993)

(Abstracts from Society Proceedings are not included)

- Adaptative EEG segmentation
 - analysis of drowsiness and sleep onset, 117
- Age
 - EEG in normal aging, 164
 - mismatch negativity and auditory memory, 321
 - N4 to spoken sentences, 306
 - visual processing in Alzheimer disease, 97
- AIDS, see HIV infection
- Alpha blocking in normal aging, 164
- Alpha wave and photic driving, 88
- Alzheimer's disease
 - affected brain regions, 385
 - visual processing, 97
- Amnesic syndrome and auditory ERPs, 394
- Amplitude EEG spectra in normal aging, 164
- Amygdala
 - postresection ECoG in medically intractable TLS, 25
- Anesthesia
 - long-term monitoring of digitized signals, 380
 - qEEG during cardiac surgery, 250
 - vibration and EEG burst suppression, 215
- Area evaluation, mismatch negativity and auditory memory, 321
- Artefact
 - identification of blink artefact, 354
 - spherical spline computation of scalp current density, 62, 65
- Attention
 - N4 to spoken sentences, 306
 - REMs in patients with attentional neglect, 105
 - responses to probes during CNV, 235
- Auditory cortex
 - determinants of mismatch field, 144
 - ERPs in amnesic syndrome, 394
- Auditory evoked potentials to spoken sentences, 306
- Auditory memory and mismatch negativity, 321
- Auditory processing during cardiac surgery, 250
- Automated analysis
 - EEG spike detection, 364
 - of drowsiness and sleep onset, 117
- Autonomic nervous system and cortical activation, 38
- Averaging in detecting endogenous ERPs, 403
- Blink
 - identification of blink artefact, 354
 - recognition potential and visual field, 221
- Book reviews, 167, 258, 343, 459
- Brain electrical activity and geodesic sensor net, 154
- Brain damage
 - computed tomography and EEG spectral parameters, 196
 - REMs in patients with attentional neglect, 105
- Brain-stem auditory evoked potentials and coma score, 277
- Burst suppression, vibration, and anesthesia, 215
- Cardiac surgery
 - and quantitative EEG, 250, 284
 - EEG after hypothermic circulatory arrest, 242
- Cerebrovascular lesion and attentional neglect, 105
- Children
 - qEEG in open heart surgery, 284
- Circulatory arrest, 242
- Cognitive processes
 - localization of cerebral function, 254
 - working memory, 128
- Coma score, 277
- Complex partial seizures, pre- and postresection ECoG, 10, 25
- Computer
 - automatic EEG spike detection, 364
 - digital EEG speed and resolution, 347
- Computerized tomography and EEG spectral parameters, 196
- Congestion/decongestion
 - cortical activation and autonomic activity, 38
- Contingent negative variation
 - responses to probes, 235
- Convulsant
 - epileptiform activity and opioid anesthesia, 374
- Cortical activation and autonomic activity, 38
- Current source density
 - computed tomography and EEG spectral parameters, 196
 - recognition potential and visual field, 221
 - spherical spline computation, 62, 65
- Data-determined window size, 169
- Dementia
 - and EEG in AIDS patients, 54
 - brain regions affected, 385
- Digital EEG signal, 347, 380
- Dipole localization
 - modeling of the pattern VEP, 291
 - spontaneous neuromagnetic activity, 408
 - with 3-sphere model, 175
- Dog EEG after hypothermic circulatory arrest, 242
- Drowsiness and computer analysis, 117
- Dual task
 - responses to probes during CNV, 235
- Echo planar MRI and recording EEG, 417
- ECoG
 - computer-based monitoring system for EEG, 340
 - during surgery in medically intractable TLS, 10, 25
- EEG
 - after hypothermic circulatory arrest, 242
 - automatic spike detection, 364
 - computed tomography and EEG spectral parameters, 196
 - computer analysis of drowsiness and sleep onset, 117

- cortical activation and autonomic activity, 38
- cortical mu rhythm, 76
- digital EEG speed and resolution, 347
- dipole localization with 3-sphere model, 175
- epileptiform activity and opioid anesthesia, 374
- geodesic sensor net, 154
- graphic representation of the EEG during seizures, 206
- hippocampal excitability and chronic epilepsy, 326
- identification of blink artefact, 354
- in demented AIDS patients, 54
- in Menkes disease, 57
- in normal aging, 164
- in open heart surgery, 284
- interpolation techniques in topographic mapping, 185
- localization of cerebral function, 254
- long-term monitoring for epilepsy, 437
- long-term monitoring of digitized signals, 380
- postresection ECoG in medically intractable TLS, 25
- preresection ECoG in medically intractable TLS, 10
- recommendations on intraoperative neuromonitoring, 263
- recording EEG during echo planar MRI, 417
- space-oriented EEG segmentation, 169
- spherical spline computation of scalp current density, 62, 65
- spontaneous neuromagnetic activity, 408
- the future of EEG and MEG, 1
- vibration, burst suppression and anesthesia, 215
- visual processing in Alzheimer disease, 97
- *see also* Quantitative EEG
- Electroretinogram, recommended standards, 421
- EMG intraoperative monitoring, recommendations, 263
- Encephalitis
 - auditory ERPs in amnesic syndrome, 394
- Endogenous ERP detection, 403
- Epilepsy
 - computer-based monitoring system for EEG, 340
 - cortical mu rhythm, 76
 - epileptiform activity and opioid anesthesia, 374
 - giant SEF in myoclonus epilepsy, 300
 - graphic representation of the EEG during seizures, 206
 - hippocampal EEG excitability and chronic epilepsy, 326
 - interpolation techniques in topographic mapping, 185
 - intraoperative ECoG in medically intractable TLS, 10, 25
 - long-term monitoring, 380, 437
 - monitoring of digitized signals, 380
- Event-related potentials
 - auditory ERPs in amnesic syndrome, 394
 - detecting endogenous ERPs, 403
 - mismatch negativity and auditory memory, 321
 - N4 to spoken sentences, 306
 - recognition potential and visual field, 221
 - visual memory potential, 46
- Evoked potentials
 - auditory, *see* Auditory evoked potentials
 - BAEPs, *see* Brain-stem auditory evoked potentials
 - recommendations on intraoperative neuromonitoring, 263
 - visual, *see* Visual evoked potentials
 - working memory, 128
- Eye analysis of digital EEG, 347
- Eye blink, *see* Blink reflex
- Eye movements in patients with attentional neglect, 105
- Fast Fourier transform
 - localization of spontaneous neuromagnetic activity, 408
- Frequency analysis
 - computed tomography and EEG spectral parameters, 196

Generators

- auditory ERPs in amnesic syndrome, 394
- determinants of mismatch field, 144
- dipole localization with 3-sphere model, 175
- Geodesic sensor net, 154

Head model and dipole localization, 175

Heart rate, EEG burst suppression and anesthesia, 215

Heart surgery, *see* Cardiac surgery

Hemifield

- equivalent dipole modeling of the pattern VEP, 291

Hippocampus

- EEG excitability and chronic epilepsy, 326
- postresection ECoG in medically intractable TLS, 25

HIV infection

- EEGs in demented patients, 54

Hypothermic circulatory arrest and EEG, 242

Imaging

- long-term monitoring of digitized signals, 380

Interhemispheric comparison of alpha wave and photic driving, 88

Interpolation techniques in topographic mapping, 185

Interstimulus interval

- determinants of mismatch field, 144

Intrahemispheric coherence in Alzheimer disease, 97

Intraoperative monitoring

- computer-based monitoring system for EEG, 340
- preresection ECoG in medically intractable TLS, 10
- quantitative EEG in open heart surgery, 284
- recommendations, 263

Isoflurane, vibration and EEG burst suppression, 215

Kainic acid and hippocampal EEG excitability, 326

Language

- N4 to spoken sentences, 306

Laplacian

- computed tomography and EEG spectral parameters, 196
- spherical spline computation of scalp current density, 62, 65
- *see also* Current source density

Laterality

- cortical activation and autonomic activity, 38

Lobectomy

- postresection ECoG in medically intractable TLS, 25

Localization of cerebral function by mapping of EEG, 254

Magnetic resonance imaging

- recording EEG during echo planar MRI, 417
- the future of EEG and MEG, 1

Magnetoencephalogram

- determinants of mismatch field, 144
- giant SEF in myoclonus epilepsy, 300
- localization of spontaneous activity, 408
- the future of EEG and MEG, 1

Mapping, *see* Topographic mapping

Median method and detection of endogenous ERPs, 403

Memory

- auditory ERPs in amnesic syndrome, 394
- determinants of mismatch field, 144
- mismatch negativity and auditory memory, 321
- N4 to spoken sentences, 306
- visual memory potential, 46
- working memory, 128

Menkes disease, 57

Mismatch field determinants, 144

- Mismatch negativity and auditory memory, 321
- Modeling
 - dipole localization with 3-sphere model, 175
 - equivalent dipole modeling of the pattern VEP, 291
 - interpolation techniques in topographic mapping, 185
 - spherical spline computation of scalp current density, 62, 65
- Monitoring
 - computer-based monitoring system for EEG, 340
 - long-term monitoring for epilepsy, 437
 - long-term monitoring of digitized signals, 380
 - recommendations on intraoperative neuromonitoring, 263
 - recording EEG during echo planar MRI, 417
- Motor task
 - localization of cerebral function by mapping of EEG, 254
- Movement
 - cortical mu rhythm, 76
 - eye movement, *see* Eye movement
- Multi-infarct dementia and affected brain regions, 385
- Mu rhythm, 76
- Myoclonus epilepsy and giant SEF, 300

- Nasal cycle
 - cortical activation and autonomic activity, 38
- Nearest neighbors
 - interpolation techniques in topographic mapping, 185
- Neglect
 - REMs in patients with attentional neglect, 105
- Normal human subjects
 - cortical activation and autonomic activity, 38
 - determinants of mismatch field, 144
 - EEG in normal aging, 164
 - localization of cerebral function by mapping of EEG, 254
 - mismatch negativity and auditory memory, 321
 - N4 to spoken sentences, 306
 - phase relationship of alpha wave and photic driving, 88
 - recognition potential and visual field, 221
 - responses to probes during CNV, 235
 - visual memory potential, 46
 - working memory, 128
- N1, mismatch negativity and auditory memory, 321
- N100 responses to probes during CNV, 235
- N4 to spoken sentences, 306

- Oddball paradigm
 - determinants of mismatch field, 144
- Opioid anesthesia and epileptiform activity, 374
- Outcome
 - multimodality coma score, 277

- Parietal lobe
 - REMs in patients with attentional neglect, 105
- Pattern VEP and equivalent dipole modeling, 291
- Phase relationship of alpha wave and photic driving, 88
- Photic driving and relationship of alpha wave, 88
- Planar splines
 - interpolation techniques in topographic mapping, 185
- Plasma copper and EEG in Menkes disease, 57
- Positron emission tomography
 - the future of EEG and MEG, 1
- Power spectral analysis and computed tomography, 196
- Probes
 - responses to probes during CNV, 235

- Quantitative EEG
 - brain regions affected in dementia, 385
 - during cardiac surgery, 250
 - in normal aging, 164
 - in open heart surgery, 284

- Rank score
 - automatic EEG spike detection, 364
- Rapid eye movements, *see* Eye movement
- Rat hippocampal EEG excitability and chronic epilepsy, 326
- Recall during cardiac surgery, and qEEG, 250
- Recognition
 - recognition potential and visual field, 221
 - visual memory potential, 46
- Recording EEG during echo planar MRI, 417
- Regional differences in dementia, 385
- REM sleep, *see* Sleep

- Saccades and attentional neglect, 105
- Seizure, *see* Epilepsy
- Semantic task
 - N4 to spoken sentences, 306
- Single photon emission tomography
 - the future of EEG and MEG, 1
- Sleep
 - computer analysis of drowsiness and sleep onset, 117
 - REMs in patients with attentional neglect, 105
- Slow potential
 - responses to probes during CNV, 235
- Society proceedings
 - American, Electrodiagnostic Medicine, Charleston, October 1992, 57P
 - American, Eastern Association, New York, December 1992, 43P
 - American, Central and Eastern Associations, ValDavid, February 1993, 47P
 - American, Western and Southern Associations, Las Vegas, February 1993, 96P
 - Belgian, Brussels, November 1992, 39P
 - Dutch, Utrecht, May 1993, 107P
 - English, Leicester, April 1993, 100P
 - French, Paris, December 1992, 52P
 - German, Celle, October 1991, 1P
 - International EEG Congress, Vancouver, August 1993, S1-S148
 - International Sleep Symposium, Budapest, May 1992, 35P
 - Japanese, Tokyo, October 1992, 87P
 - Nordic, Göteborg, May 1993, 103P
- Somatic representation
 - cortical mu rhythm, 76
- Somatosensory evoked field
 - giant SEF in myoclonus epilepsy, 300
- Source localization
 - equivalent dipole modeling of the pattern VEP, 291
 - of spontaneous neuromagnetic activity, 408
- Space-oriented EEG segmentation
- Spatial sampling
 - geodesic sensor net, 154
- Spectral analysis
 - brain regions affected in dementia, 385
 - graphic representation of the EEG during seizures, 206
- Spherical spline computation
 - interpolation techniques in topographic mapping, 185
 - of scalp current density, 62, 65
- Spike detection, 364
- Spontaneous neuromagnetic activity, 408
- Standards
 - long-term monitoring for epilepsy, 437
 - recommended standards for ERGs and VEPs, 421

Subdural recording

- cortical mu rhythm, 76
- intraoperative ECoG in medically intractable TLS, 10, 25

Sudden infant death syndrome, 380

Synaptogenesis in chronic epilepsy, 326

Technology

- digital EEG speed and resolution, 347

Telemetry during echo planar MRI, 417

Temporal lobe

- auditory ERPs in amnesic syndrome, 394
- medically intractable TLS, 10, 25
- preresection and postresection ECoG, 10, 25
- visual memory potential, 46

Topographic mapping

- cortical mu rhythm, 76
- interpolation techniques, 185
- localization of cerebral function, 254
- space-oriented EEG segmentation, 169
- spontaneous neuromagnetic activity, 408

Trigeminal evoked potentials

- multimodality coma score, 277

Vascular lesions

- EEG after hypothermic circulatory arrest, 242

Vertex potentials to probes during CNV, 235

Vibration, EEG burst suppression and anesthesia, 215

Video monitoring of digitized signals, 380

Vigilance

- computer analysis of drowsiness and sleep onset, 117

Vision

- recognition potential and visual field, 221

Visual evoked potentials

- equivalent dipole modeling of the pattern VEP, 291
- recommended standards for ERGs and VEPs, 421

Visual memory potential, 46

Visual processing in Alzheimer disease, 97

Visual stimuli

- phase relationship of alpha wave and photic driving, 88

Voluntary movement

- localization of cerebral function by mapping of EEG, 254

Window size

- space-oriented EEG segmentation, 169

Word stimulus

- recognition potential and visual field, 221

Working memory, 128